

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
AM2420D02

Total Pages in this Submission  
4

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH**

and invented by:

**Haruhiro H. Goto**

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/336,251

Which is a:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/061,013

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 22 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

22154 U.S. PTO  
10/672002  
09/25/03

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets                      4
- b. ☐ Informal                      Number of Sheets                      \_\_\_\_\_
4. ☐ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*                      ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☐ With Power of Attorney                      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☐ Certificate of Mailing
- ☐ First Class                      ☐ Express Mail *(Specify Label No.):* EV 230242828 US

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**Accompanying Application Parts (Continued)**

17. ☐ Additional Enclosures *(please identify below)*:

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**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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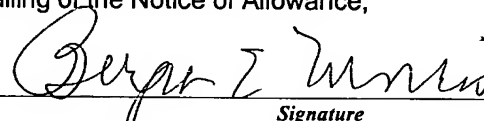
Total Pages in this Submission  
4

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	1	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	1	- 3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$750.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$750.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **13-4542** as described below.
- ☒ Charge the amount of **\$750.00** as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Birgit E. Morris, Reg. No. 24,484

16 Indian Head Road  
Morristown, NJ 07960  
(973) 656-9591

Send all correspondence to  
Patent Counsel, Applied Materials, Inc  
PO Box 450A  
Santa Clara, CA 95052

Dated: September 25, 2003

cc: J. Bach

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Haruhiro H. Gog

Docket No.

AM2420D02

Serial No.

Filing Date  
Herewith

Examiner

Group Art Unit

Invention: **SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH PROCESS**

I hereby certify that the following correspondence:

Utility Patent Application Transmittal letter, in duplicate, filing fee charged to Deposit Account

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 25, 2003*(Date)*William R. Morris*(Typed or Printed Name of Person Mailing Correspondence)*William R. Morris*(Signature of Person Mailing Correspondence)*EV 230242828 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Haruhiro H. Gogo**

Docket No.

**AM2420D02**

Serial No.

Filing Date  
Herewith

Examiner

Group Art Unit

Invention: **SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH PROCESS**

I hereby certify that the following correspondence:

**Preliminary Amendment***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

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Examiner

Group Art Unit

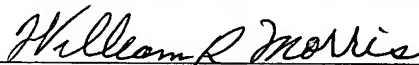
Invention: **SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH PROCESS**

I hereby certify that the following correspondence:

Petition for 3 months Extension of time

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 25, 2003*(Date)*William R. Morris*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EV 230242828 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)  
(Large Entity)**

Docket No.  
AM2420D02

In Re Application Of: **Haruhiro H. Goto**

Serial No.

Filing Date  
Herewith

Examiner

Group Art Unit

Invention:

**SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH PROCESS**

**TO THE COMMISSIONER FOR PATENTS:**

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the Office Action of April 8, 2003 above-identified application.  
*Date*

The requested extension is as follows (check time period desired):

☐ One month      ☐ Two months      ☒ Three months      ☐ Four months      ☐ Five months

from: July 8, 2003      until: October 8, 2003  
*Date*      *Date*

The fee for the extension of time is \$930 and is to be paid as follows:

- ☐ A check in the amount of the fee is enclosed.  
☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 13-4542  
☒ If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No. 13-4542

  
*Signature*

Dated: **September 25, 2003**

**Birgit E. Morris, Reg. No. 24,484**  
**16 Indian Head Road**  
**Morristown, NJ 07960**  
**(973) 656-9591**  
Send all correspondence to  
**Patent Counsel, Applied Materials, Inc**  
**PO B x 450A**  
**Santa Clara, CA 95052**

cc: **J. Bach**

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Haruhiro H. Gogo

Docket No.

AM2420D02

Serial No.

Filing Date  
Herewith

Examiner

Group Art Unit

Invention: **SYSTEM AND METHOD FOR GAS DISTRIBUTION IN A DRY ETCH PROCESS**

I hereby certify that the following correspondence:

Specification, 22pp, 4 sheets of formal Drawing

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 25, 2003*(Date)*William R. Morris*(Typed or Printed Name of Person Mailing Correspondence)*William R Morris*(Signature of Person Mailing Correspondence)*EV 230242828 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**